

Surface Water Quality Data in Karaikal - March 2024		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	04.03.2024
4	Time	6.30 A.M
5	Temperature °C	29.0
6	DO mg/l	6.9
7	pH	7.70
8	Conductivity µmho/cm	889
9	Turbidity NTU	2.7
10	COD (mg/l)	20.2
11	BOD (mg/l)	BDL (DL:1.0)
12	Nitrate -N (mg/l)	BDL (DL:0.3)
13	Nitrite -N (mg/l)	BDL (DL:0.02)
14	Nitrate (mg/l)	BDL
15	Ammonia - N mg/l	BDL (DL:0.4)
16	P. Alkalinity (mg/l)	BDL (DL:5.0)
17	Total Alkalinity (mg/l)	244
18	Chloride mg/l	59.25
19	Total Hardness mg/l	168
20	Calcium Hardness mg/l	140
21	Calcium as Ca++ mg/l	56
22	Magnesium Hardness mg/l	28
23	Magnesium as Mg++ mg/l	6.804

Sl.No.	Parameters	Arasalar River
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24	TDS mg/l	536
25	TSS (mg/l)	BDL (DL:10.0)
26	FDS/TFS mg/l	368
27	Sulphate (mg/l)	18.03
28	Ortho phosphate(mg/l)	BDL(DL:0.05)
29	Sodium mg/l	115.33
30	Potassium mg/l	4.43
31	% Sodium	59.03
32	SAR	3.9
33	Total Coliform MPN/100 ml	900
34	Faecal Coliform MPN/100ml	900
35	Faecal Streptococci MPN/100ml	140

BDL - Below Detectable Limit DL - Detection Limit